

Dielectric Resonator ; $D > L$

Fig. 1

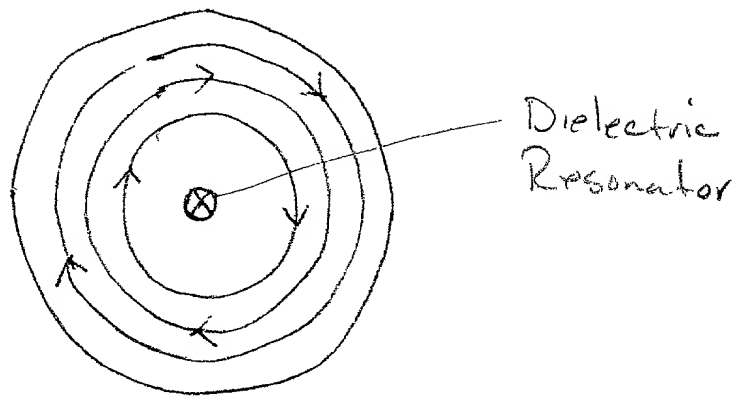


Fig 2

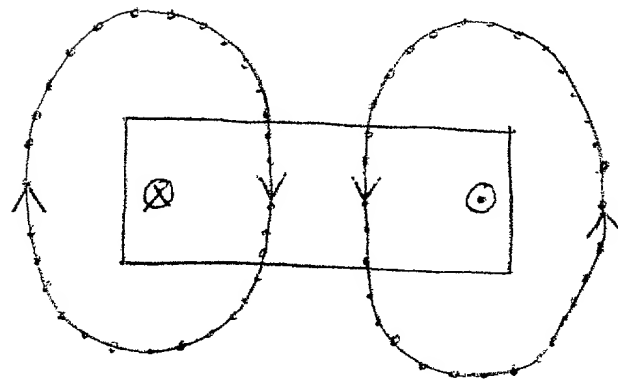


Fig. 3

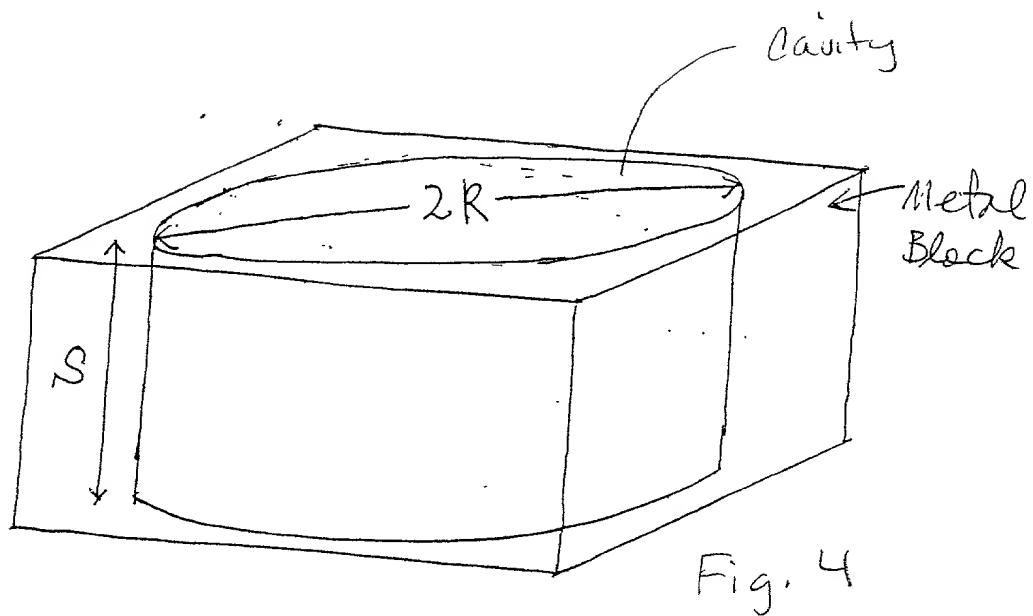


Fig. 4

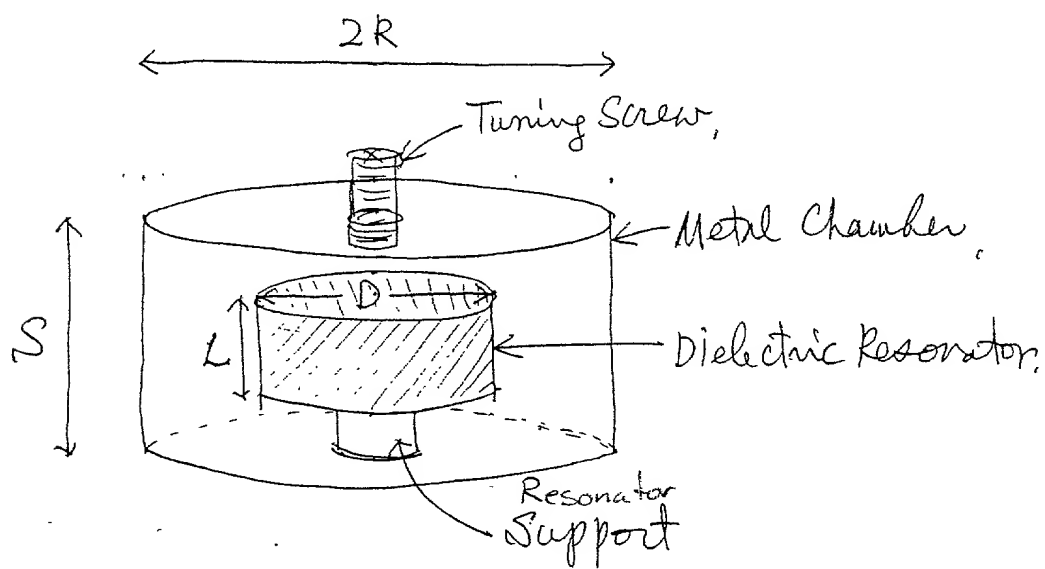
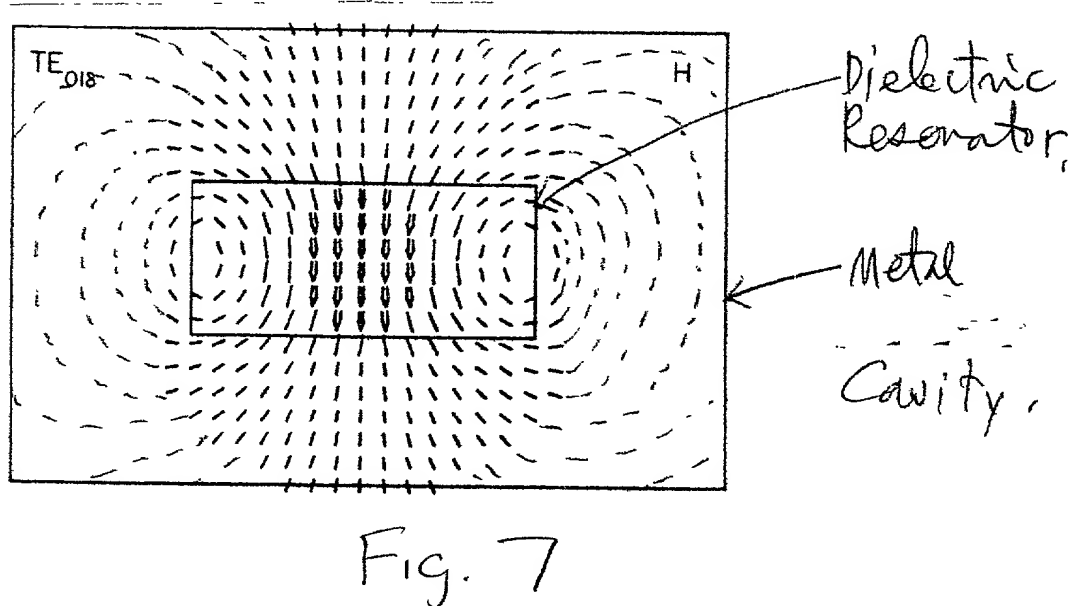
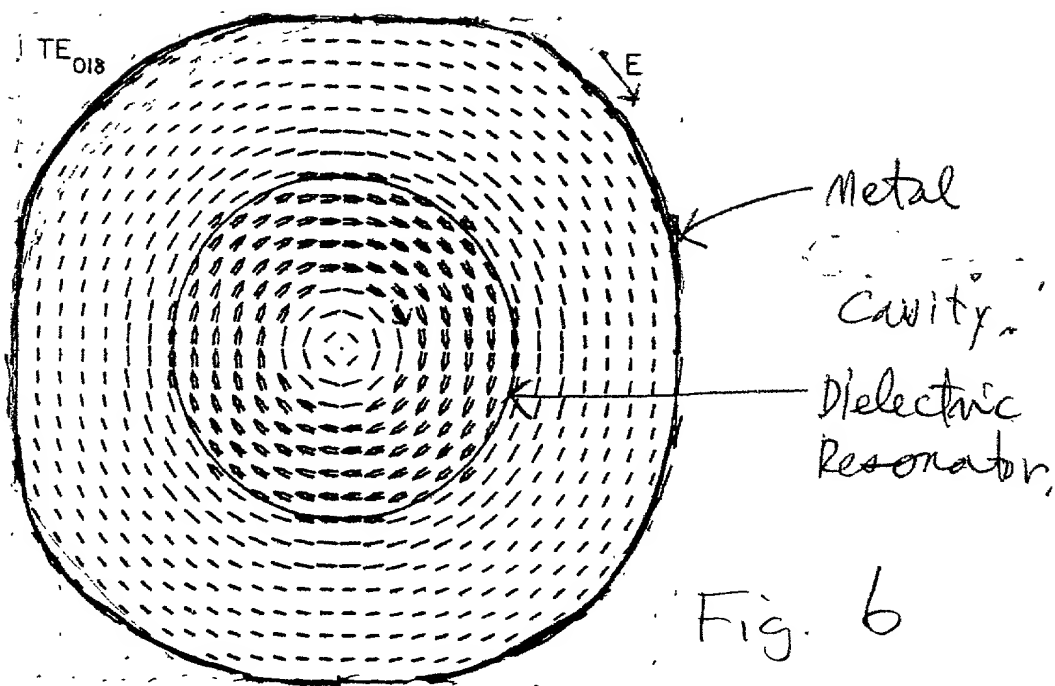


Fig. 5



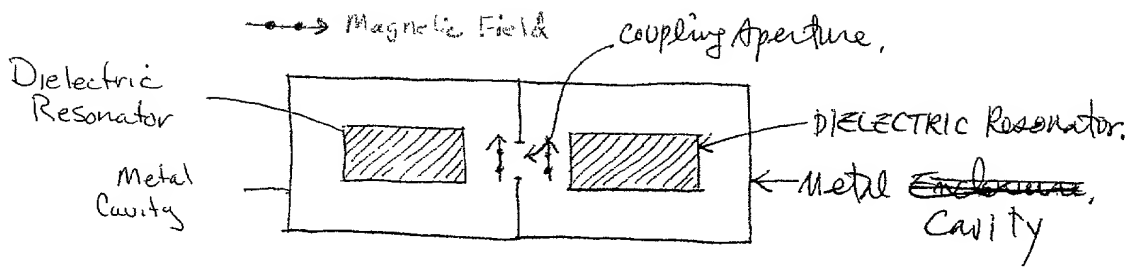


Fig. 8

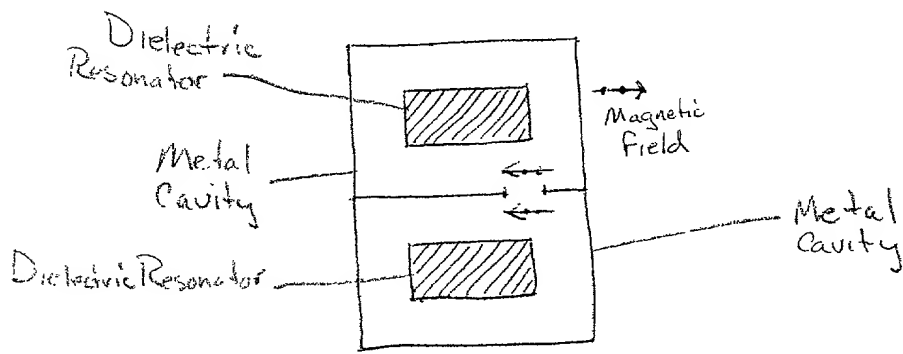


Fig. 9

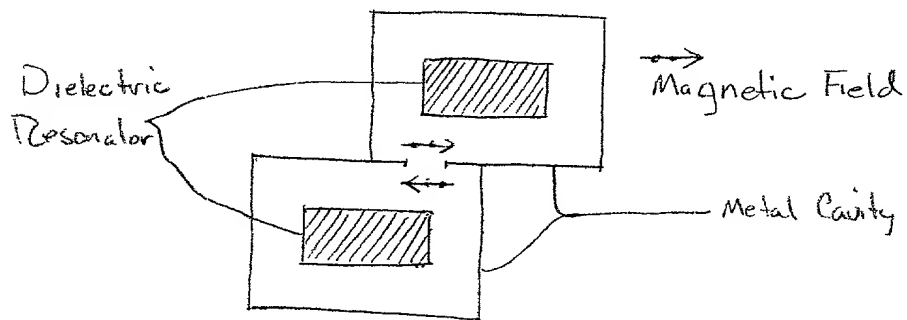


Fig. 10

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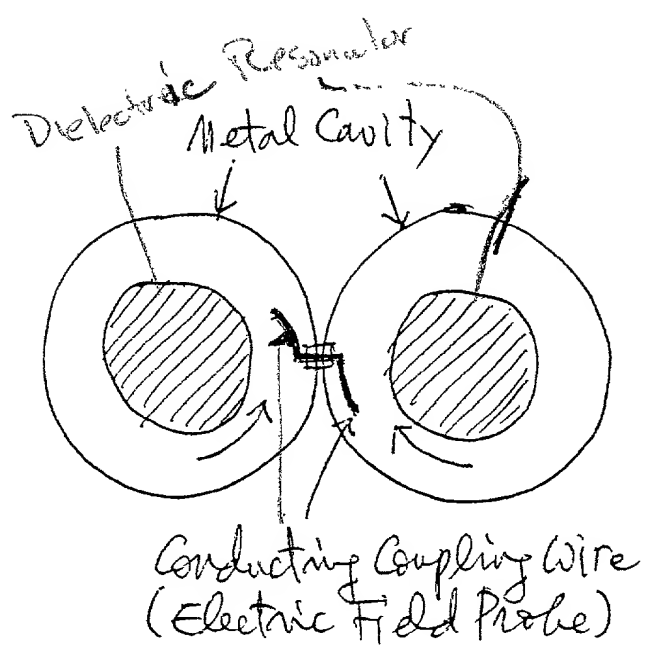


Fig 11

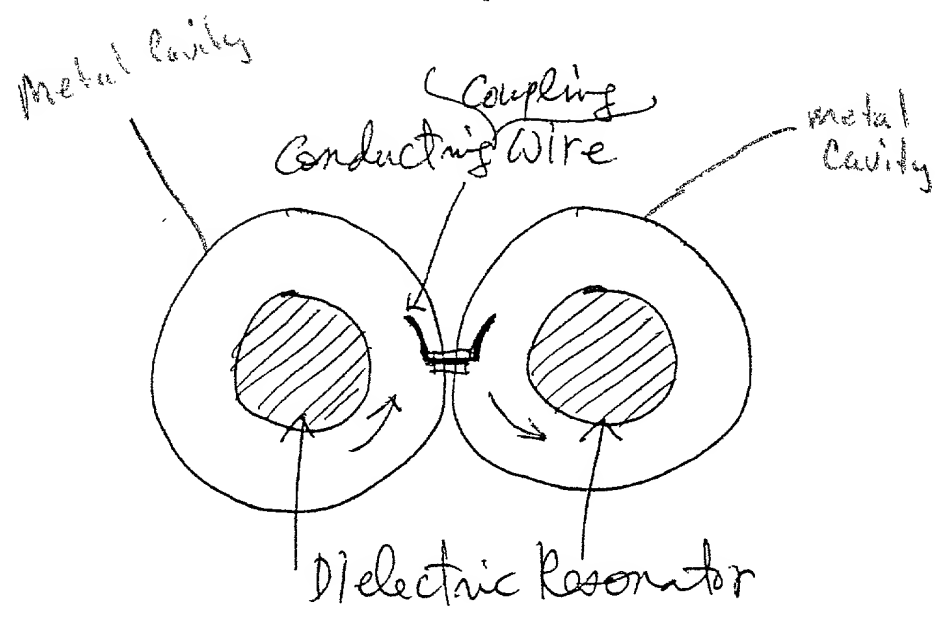


Fig. 12

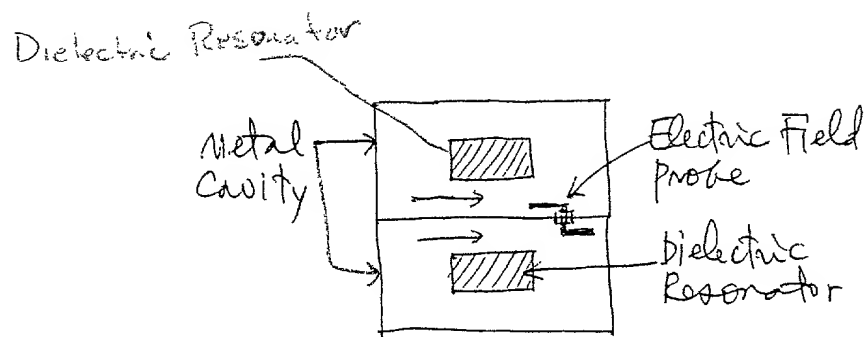


Fig 13

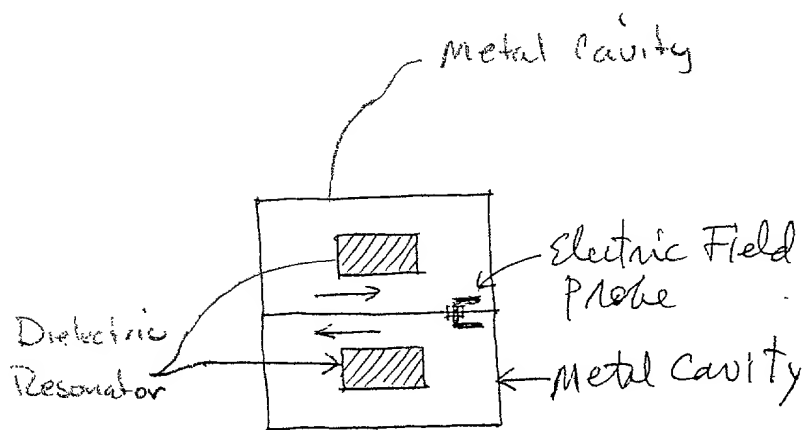


Fig. 14

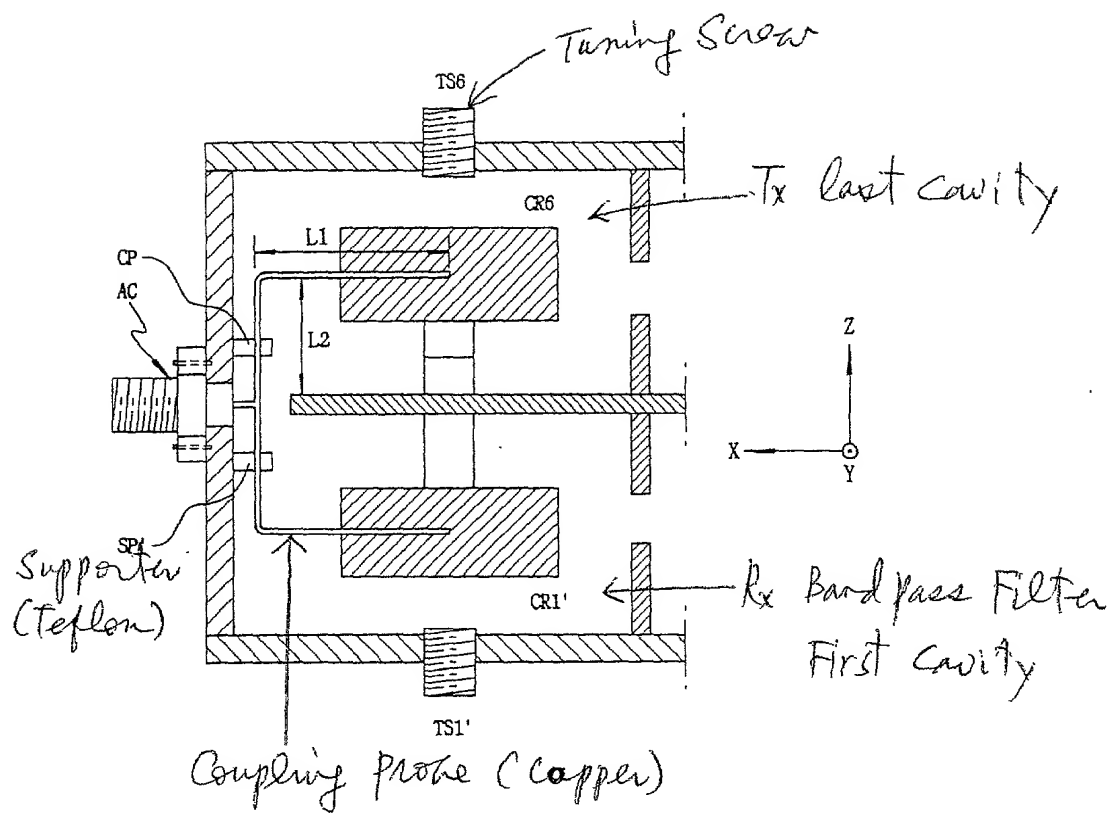


Fig. 15

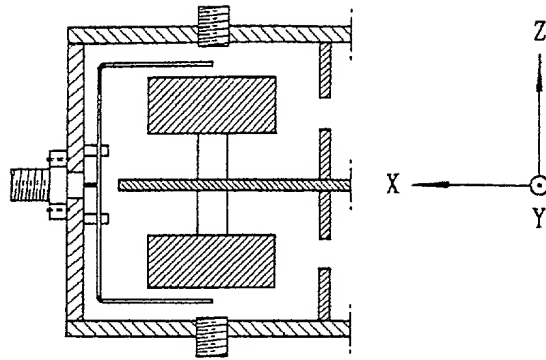


Fig. 16

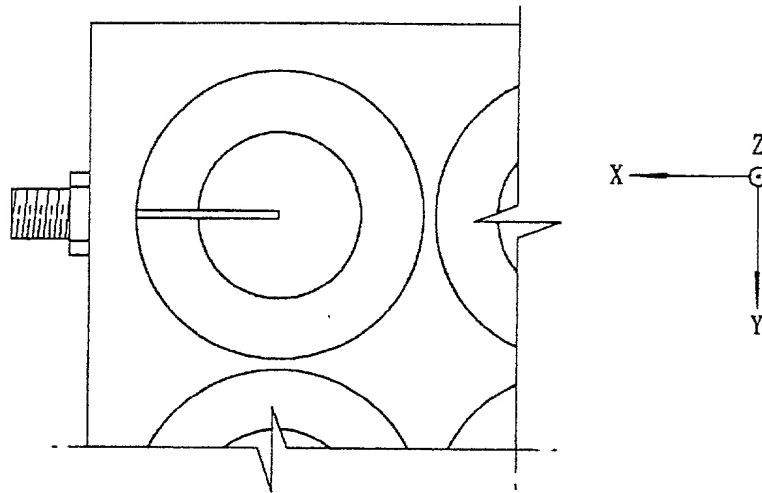


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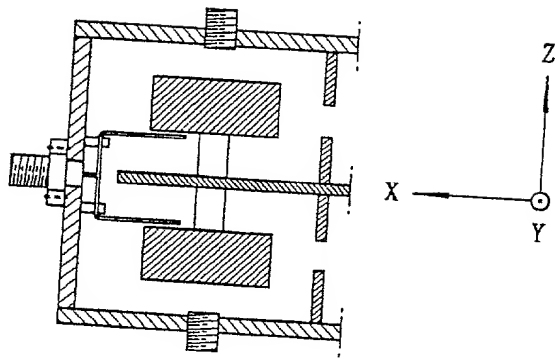


Fig. 18

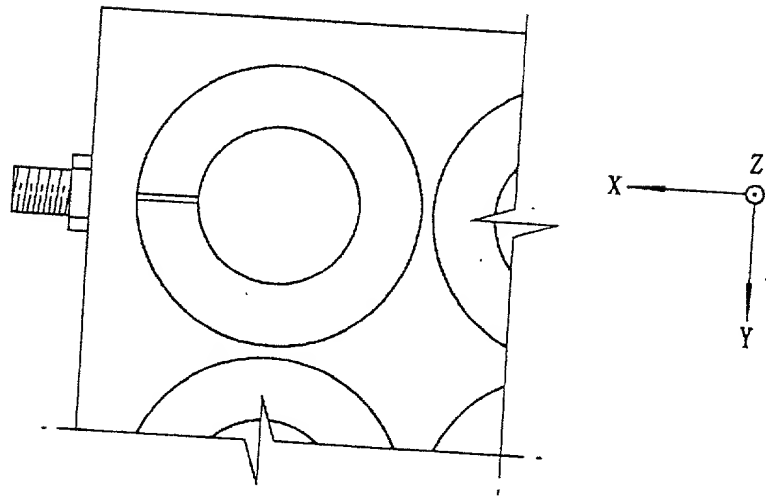


Fig. 19

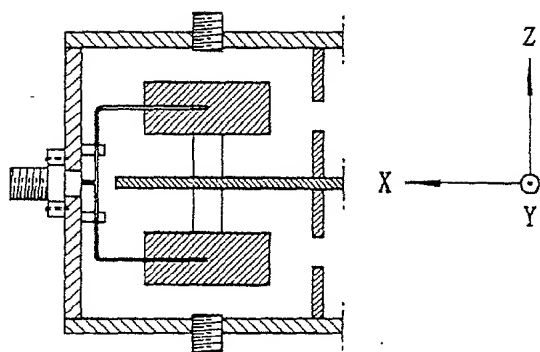


Fig. 20

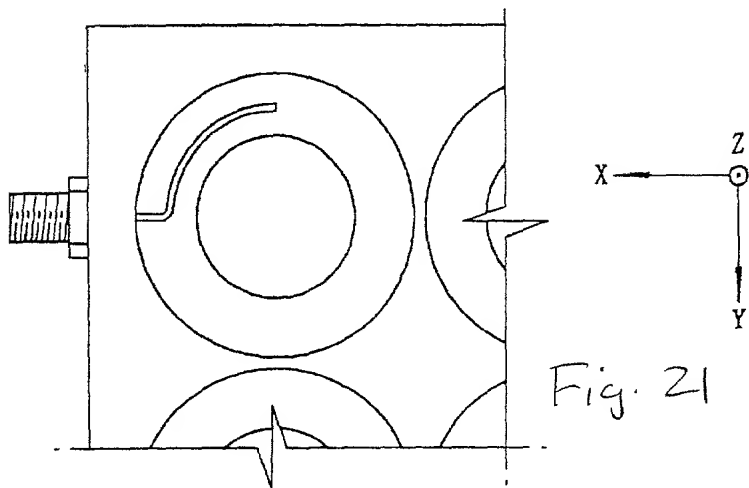


Fig. 21

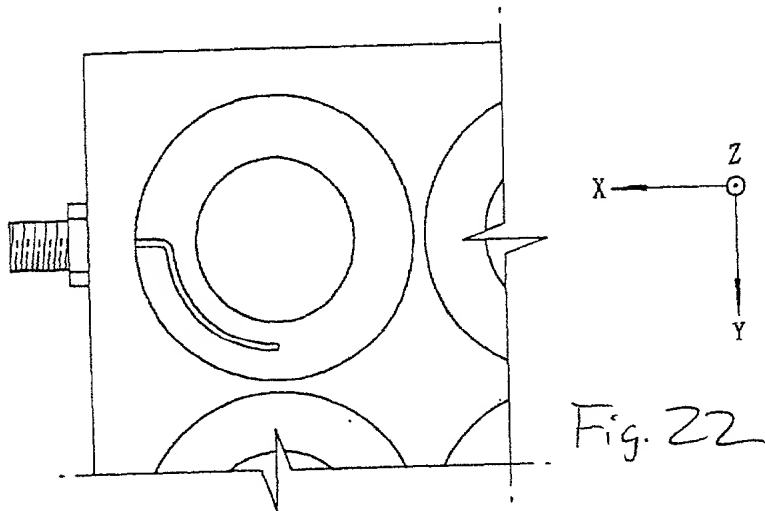
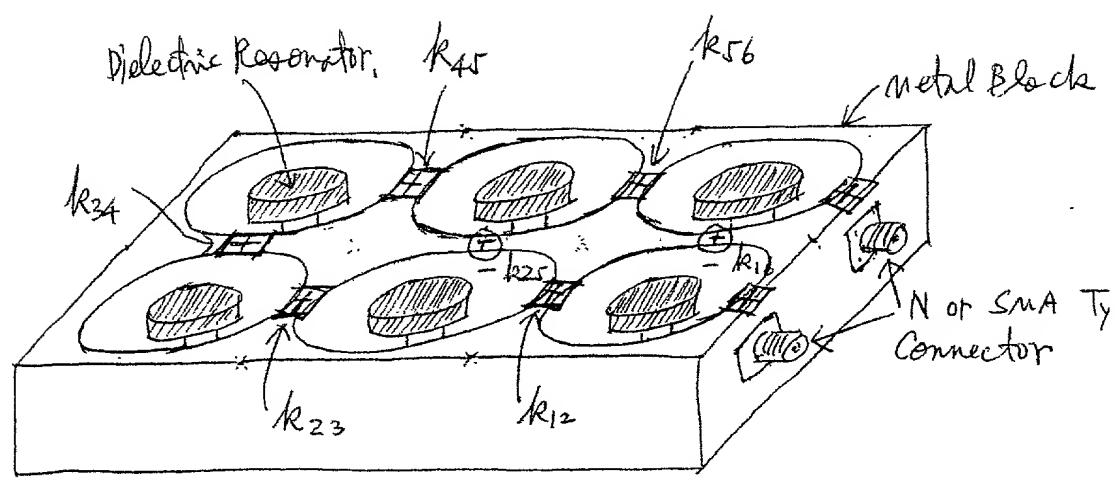


Fig. 22

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$\boxed{+}$: POSITIVE IRIS OR ELECTRIC FIELD PROBE COUPLING
 \oplus : NEGATIVE ELECTRIC FIELD PROBE COUPLING

Fig. 23

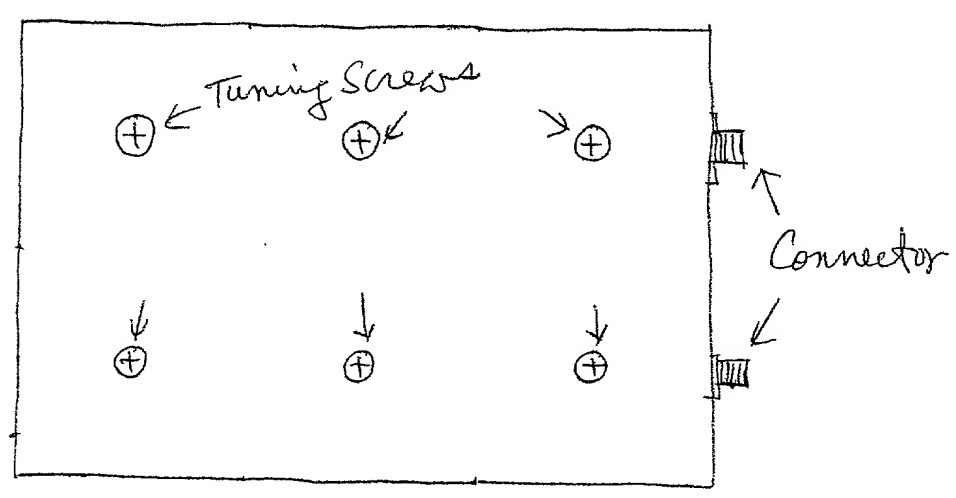
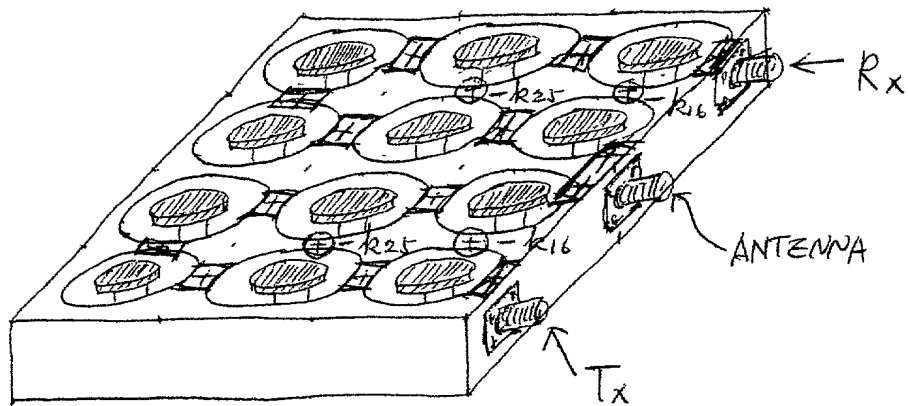


Fig. 24



- $\boxed{++}$: IRIS or Electric Field Probe Antenna Coupling.
 $\boxed{+}$: Positive IRIS or Electric Field Probe Coupling
 \oplus : Negative Electric Field Probe Coupling.

Fig 25

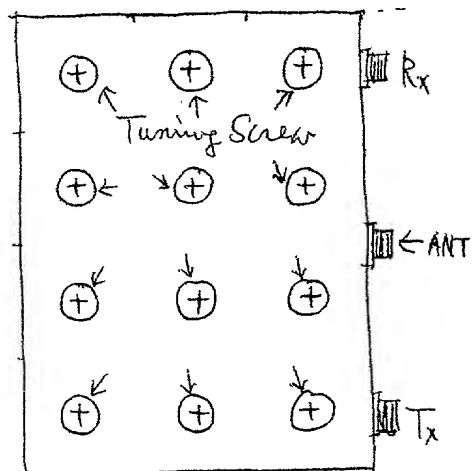
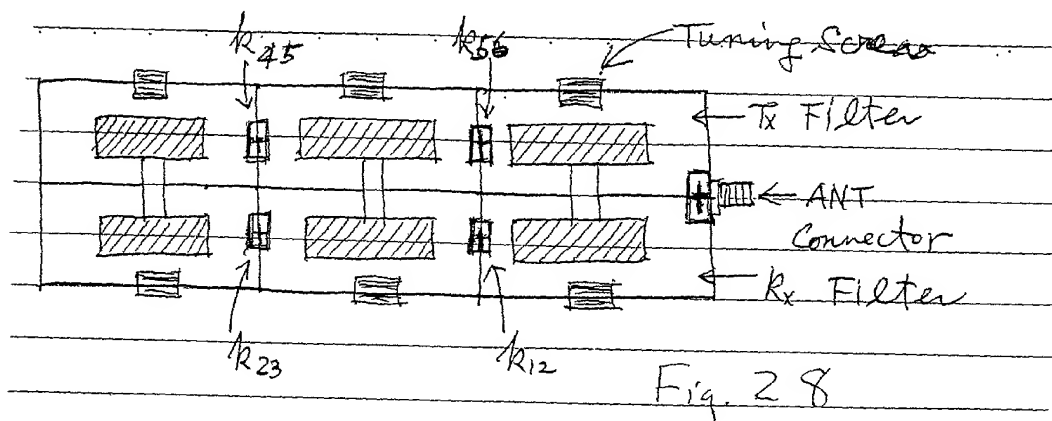
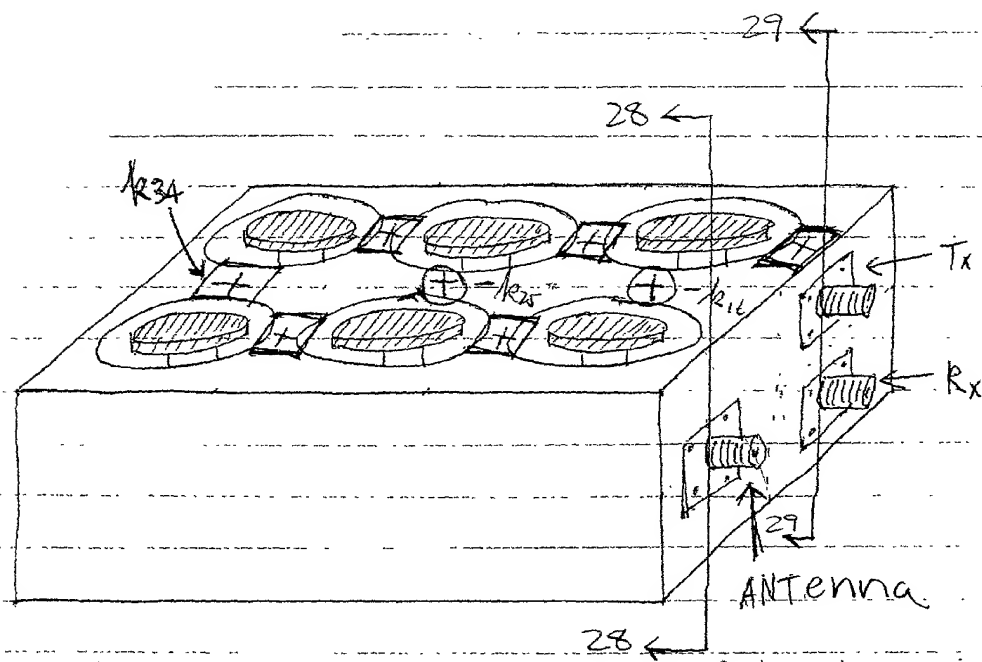
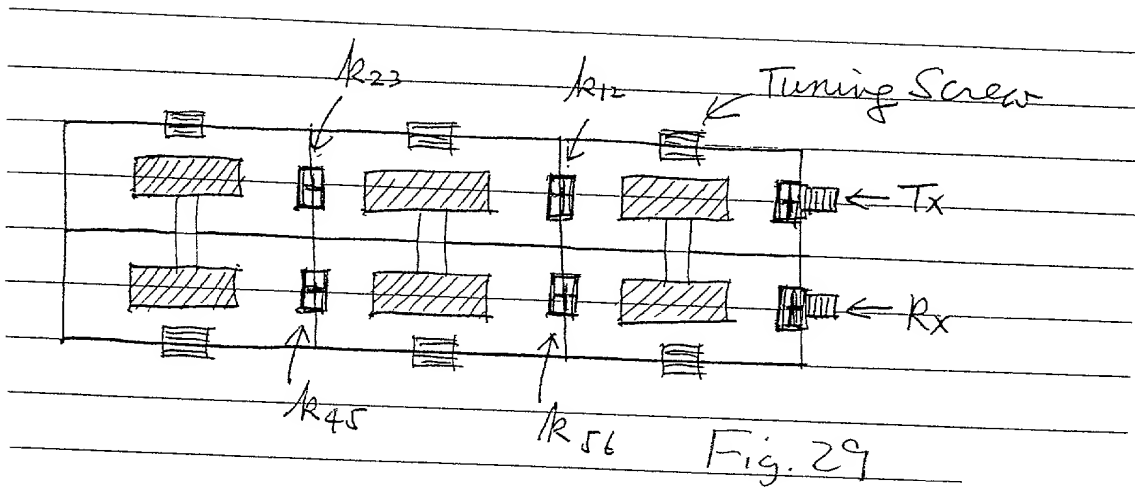


Fig. 26

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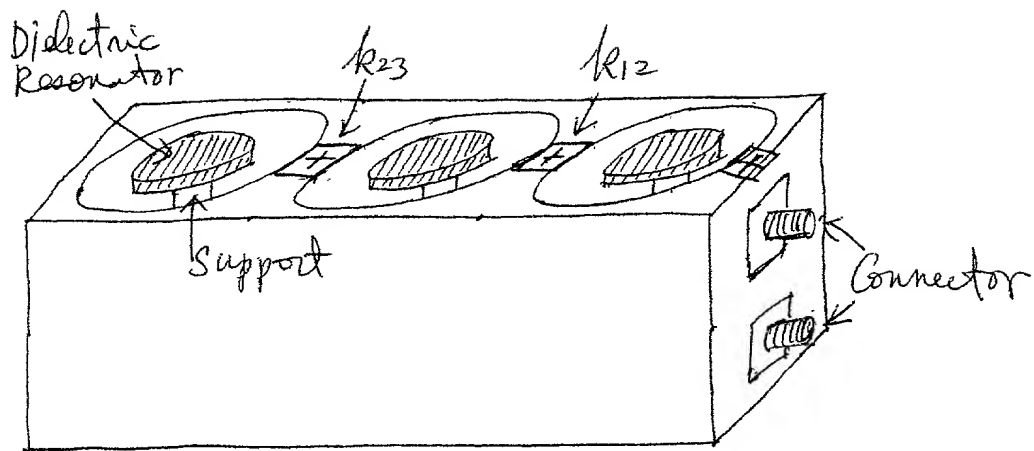


Fig. 30

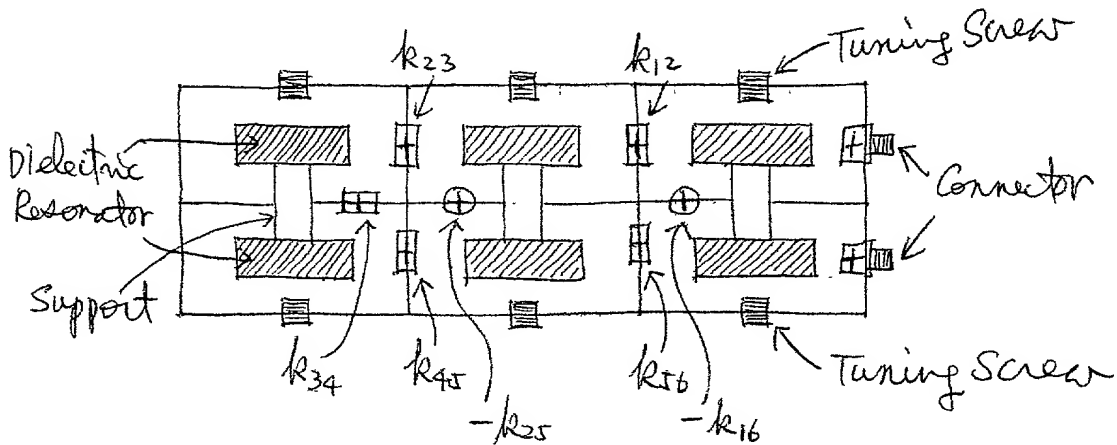


Fig. 31

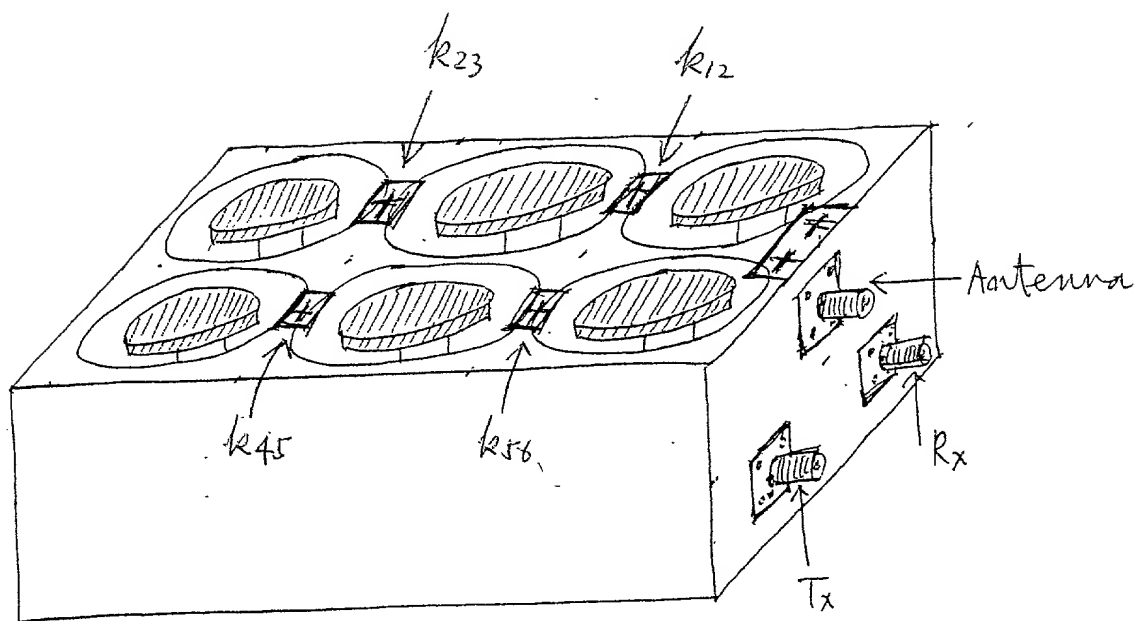


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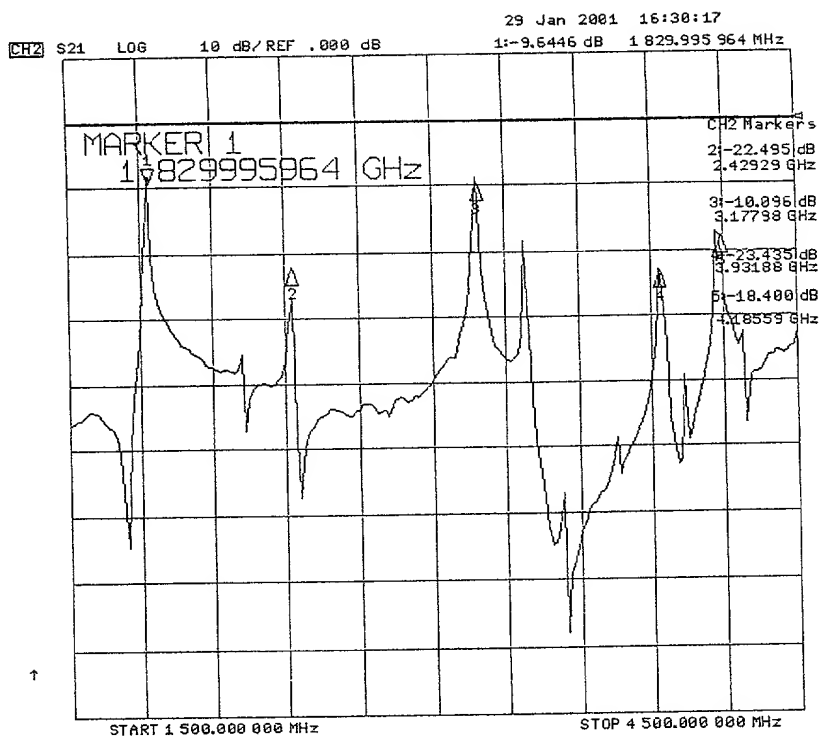
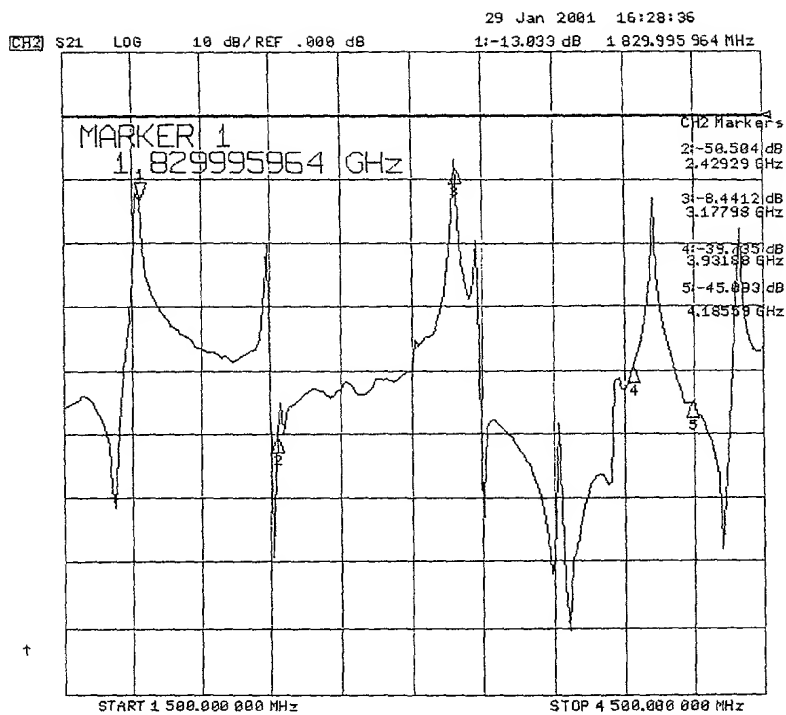
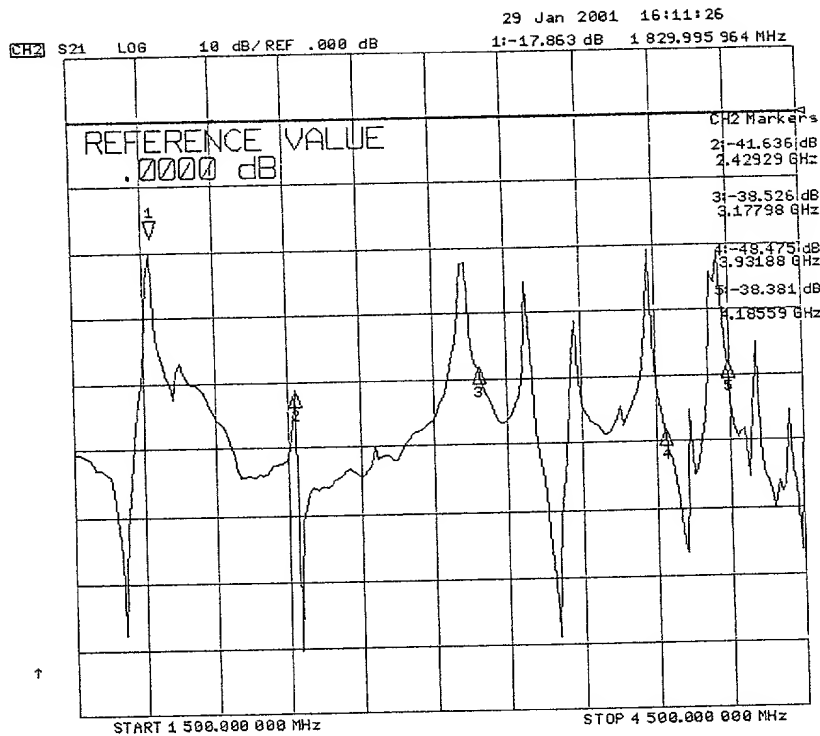


Fig. 33. Frequency response of D.R.1 loaded C1.
 D.R.1 = Dielectric Resonator of $D=2.8\text{ cm}$, $L=1.4\text{ cm}$
 and C1 = Metal Cavity of $2R=7.5\text{ cm}$, $S=3.75\text{ cm}$



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Fig. 14. Frequency response of D.R. 2 loaded C 1,
D.R. 2 = Dielectric Resonator of $D = 3 \text{ cm}$ and $L = 1.17 \text{ cm}$,
and C 1 = Metal Cavity of $2R = 7.5 \text{ cm}$ and $S = 3.75 \text{ cm}$



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Fig. 35, Frequency response of D.R.1 loaded C2.
D.R. 1 = Dielectric Resonator of $D=2.8\text{ cm}$ and $L=1.4\text{ cm}$,
and C2 = Metal Cavity of $2R=8\text{ cm}$ and $S=4\text{ cm}$

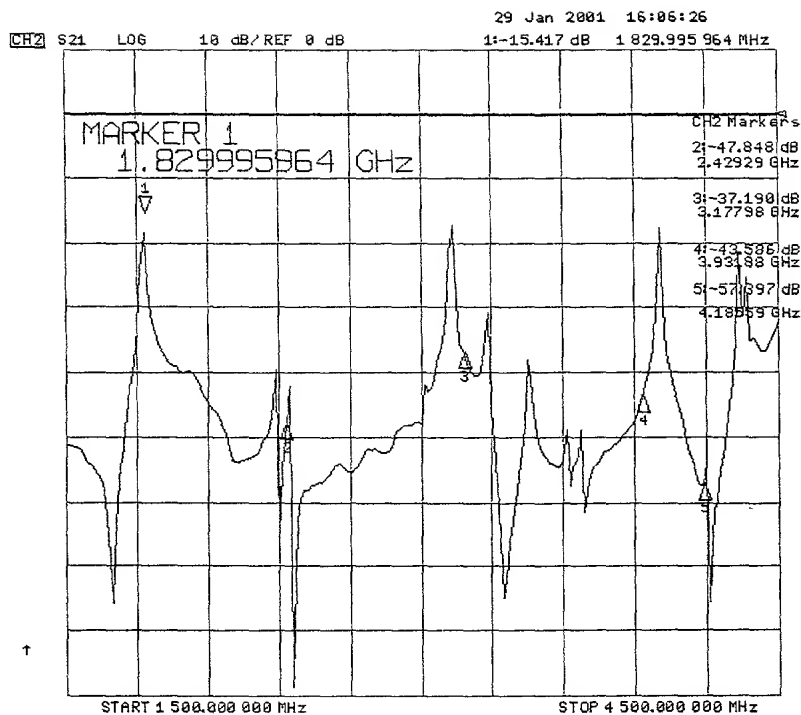


Fig. 36. Frequency response of D.R. 2 loaded C2.
 D.R. 2 = Dielectric Resonator of $D = 3 \text{ cm}$ and $L = 1.17 \text{ cm}$
 and C2 = Metal Cavity of $2R = 8 \text{ cm}$ and $S = 4 \text{ cm}$.